



INDIANA ENVIRONMENTAL STEWARDSHIP PROGRAM ANNUAL PERFORMANCE REPORT

State Form 53475 (R3 / 1-11)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
ENVIRONMENTAL STEWARDSHIP PROGRAM

Indiana Department of Environmental Management
Office of Pollution Prevention and Technical Assistance
MC 64-00, Room IGCS W041
100 North Senate Avenue
Indianapolis, IN 46204-2251
Telephone: (800) 988-7901
FAX: (317) 233-5627
E-mail: esp@idem.IN.gov

Please use this form if you are a member of the Indiana Environmental Stewardship Program (ESP) to report on progress toward objectives and targets AND certify ESP requirements continue to be achieved. Indiana ESP facilities must submit an Annual Performance Report (APR) by April 1st of every year, for each calendar year in which the entity has been a member for at least three (3) full months. Section C of your APR should be signed by your ISO 14001:2004 EMS Lead Auditor. Your APR should be reviewed and signed by a senior manager at your facility prior to submittal. Once signed, e-mail the APR to IDEM at esp@idem.IN.gov. Please do not include any confidential business information in your annual performance report. Public access laws require IDEM to make the APR publicly available, which may include posting all portions of your report on the Indiana ESP Web site. If you have any questions, please contact IDEM at esp@idem.IN.gov or (800) 988-7901.

| SECTION A | |
|--|---|
| FACILITY INFORMATION | |
| Name of facility | Louisiana Pacific Corporation (a.k.a. LP Middlebury) |
| Name of parent company (If applicable) | Same |
| Street address (number and street) | 219 U.S. Highway 20 |
| City / State / ZIP code | Middlebury, Indiana 46540 |
| Web site of Facility/Company | www.lpcorp.com |
| CONTACT INFORMATION | |
| Name of Contact (Mr. / Mrs. / Ms. / Dr.) | Mr. Tim Keenoy |
| Title | Environmental Manager |
| Telephone number | 574-825-6548 |
| FAX number | 574-825-6547 |
| E-mail address | Tim.Keenoy@LPCorp.com |
| Mailing address (if different from facility address) | Same |
| City / State / ZIP Code | |
| REPORTING PERIOD | |
| Reporting period dates (month, day, year) | January 1, 2012 through December 31, 2012 |
| 1a. Is this the third Annual Performance Report of your membership term? | <input type="checkbox"/> Yes—If yes, answer question 1b. <input checked="" type="checkbox"/> No—If no, skip to the "Change in Information" section of this report. |
| 1b. Do you wish to renew your Indiana Environmental Stewardship Program membership? | <input type="checkbox"/> Yes—If yes, please complete all sections of this annual report. <input type="checkbox"/> No—If no, please complete all sections of this annual report except for Section F. |
| CHANGE IN INFORMATION | |
| In your ESP application and, perhaps, in previous annual performance reports, you described what your facility does or makes. Have there been any changes or additions to your facility's list of products or activities? | <input type="checkbox"/> Yes—If yes, please describe them: <input checked="" type="checkbox"/> No |
| SECTION B | |
| PUBLIC OUTREACH AND PERFORMANCE REPORTING | |
| Why do we need this information? IDEM needs to know how environmental information was shared with the public. | What do you need to do? Describe how the facility has shared and plans to share environmental information. |
| Please briefly describe the activities that your facility conducted during this reporting period to interact with the community on environmental issues and to report publicly on its environmental performance. Plant employees are involved in the Adopt-A-Trial program at Boot Lake Nature Preserve. | |
| Please indicate which of the following methods your facility plans to use to make its ESP Annual Performance Report available to the public. Please check as many as appropriate. | |
| <input type="checkbox"/> Web site (http://www.) <input type="checkbox"/> Open house <input type="checkbox"/> Meetings <input checked="" type="checkbox"/> Press releases <input type="checkbox"/> Other See attachment | |

SECTION C

ENVIRONMENTAL MANAGEMENT SYSTEM ASSESSMENT

Why do we need this information?

Facilities need to have implemented an EMS that meets certain criteria and use an ISO 14001:2004 EMS Lead Auditor at least every 36 months to assess the EMS.

What do you need to do?
Answer the following questions
about your EMS.

| | | |
|--|---|-------------------------|
| 1. | What is the most recent date that an ISO 14001:2004 EMS Lead Auditor performed an EMS assessment at your facility? | February 27, 2013 |
| 2. | <p>Is the date of the most recent EMS assessment performed by an ISO 14001:2004 EMS Lead Auditor within the past 36 months?</p> <p><input checked="" type="checkbox"/> Yes—If yes, skip to Question 3.</p> <p><input type="checkbox"/> No—If no, please have your ISO 14001: 2004 EMS Lead Auditor complete and sign the following checklist, indicating whether or not your EMS meets the listed criteria for ESP membership:</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Evidence of senior management support, commitment, and approval.</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No A written environmental policy directed toward compliance, pollution prevention, and continuous improvement.</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Identification of the environmental aspects at the entity.</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Prioritization of the environmental aspects and a determination of those aspects deemed significant considering, at the minimum, environmental impacts and applicable laws and regulations.</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Established priorities, and environmental objectives and targets for continuous improvement in environmental performance and for ensuring compliance with applicable environmental laws, regulations, and permit conditions. Objectives and targets must go beyond current legal requirements and specify the environmental media, types of pollution to be prevented or reduced, implementation activities, and projected time frames.</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No An established community outreach mechanism that includes identifying and responding to community concerns; informing the community of important matters that affect the community; and reporting on the EMS, including reporting to the public on the environmental policy and significant aspects.</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Incorporation of environmental and pollution prevention planning in the development of new products, processes, and services and modifications of existing processes.</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Evidence of clear responsibility for implementation, training, monitoring, EMS maintenance, taking corrective action, and ensuring compliance with applicable environmental laws, regulations, and permit conditions.</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Documentation of the implementation procedures and the results of implementation.</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Appropriate written EMS procedures.</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No An annual evaluation of the EMS with written results provided to senior management and affected employees.</p> | |
| Signature of ISO 14001:2004 EMS Lead Auditor | | Date (month, day, year) |
| 3. | <p>Were any deficiencies found during the most recent EMS assessment?</p> <p><input type="checkbox"/> No—If no, skip to Question 4.</p> <p><input checked="" type="checkbox"/> Yes—If yes, describe any deficiencies found and the corrective action taken to address each deficiency: See attachment</p> | |
| 4. | Name, title, and organization of ISO 14001:2004 EMS Lead Auditor that conducted the most recent EMS assessment: Kristen Belcredi of Keramida | |
| 5. | <p>What type of protocol was used to perform the independent EMS assessment?</p> <p><input type="checkbox"/> ISO 14001:2004 Certified audit</p> <p><input type="checkbox"/> Responsible Care EMS audit</p> <p><input type="checkbox"/> Responsible Care 14001 audit</p> <p><input checked="" type="checkbox"/> ESP Independent Assessment Protocol</p> <p><input type="checkbox"/> Other (please specify):</p> | |
| 6. | <p>Is the EMS certified to a recognized standard?</p> <p><input type="checkbox"/> Yes—If yes, what standard does the EMS follow (please provide a copy of the most recent certificate)?</p> <p><input type="checkbox"/> ISO 14001:2004</p> <p><input type="checkbox"/> Responsible Care EMS</p> <p><input type="checkbox"/> Responsible Care 14001</p> <p><input checked="" type="checkbox"/> No.</p> | |
| 7. | <p>When was the last Senior Management review of your EMS completed?</p> <p>Month / Year: November 2012</p> <p>Who headed the review (name and title)? Plant manager, Ty Scopel, is an active participant of the plant EMS team that met 4 times in 2012.</p> | |

8. When did your facility last conduct an internal or corporate environmental compliance audit? Do not include inspections or site visits by regulatory organizations.
 Scope of the compliance audit: This audited focused on compliance with SPCC requirements
 Month(s) / Year(s): March 2012
 Who conducted the audit(s) (e.g., facility staff, corporate, third party)? Plant environmental manager

9. Explain the emergencies experienced within the facility during the past year. Were the applicable emergency and contingency plans detailed in the EMS effective? What changes, if any, have been made to your facility's emergency or contingency plans?
There was a small fire in the exhaust duct of equipment wash bay. Evacuation and emergency response actions were as planned.

10. Has your facility corrected all instances of potential environmental non-compliance and EMS non-conformance identified during your audits and other assessments?
☒ Yes—If yes, briefly summarize corrective actions taken and other improvements made as a result of your EMS assessment(s) or compliance audit(s).
SOP 603 (Tank truck unloading) was amended
The 2012 ESP annual report will be posted in Middlebury library
☐ No—If no, please explain your plans to correct these instances. ☐ No such instances identified.

11. (Optional) Please provide a narrative summary of progress made toward EMS objectives and targets other than those reported as an Environmental Performance Initiative in Section E. You may limit the summary to environmental aspects that are *significant* and towards which *progress* has been made during the last calendar year. Attach additional sheets as necessary.

| Environmental aspect | Progress made this year (e.g., quantitative or qualitative improvements, activities conducted) |
|----------------------|--|
| | |
| | |

| SECTION D ADDITIONAL INFORMATION | |
|---|---|
| Why do we need this information? | What do you need to do? |
| This information will help IDEM to effectively manage the Environmental Stewardship Program. | Answer the questions as completely as possible. |
| 1. In addition to ESP, please list environmental awards received or voluntary programs participated in during the past twelve months. <u>None</u> | |
| 2. Has your facility taken advantage of any ESP incentives? If so, please describe the implementation process and list additional benefits IDEM should consider. <u>We asked for advance notice of state inspections. Our last air inspection was unannounced.</u> | |
| 3. If your facility was not registered to the ISO 14001 standard prior to becoming an ESP member, has ESP helped you to pursue registration? If so, how has ESP been instrumental in achieving registration? <u>N/A We are not interested in registering to ISO 14001 standard at this time.</u> | |

| SECTION E ENVIRONMENTAL IMPROVEMENT INITIATIVE RESULTS | | | | |
|--|---|----------------------|--|--------------|
| Why do we need this information? | | | What do you need to do? | |
| Facilities need to share the results of the environmental improvement initiative that was pursued during the reporting period. | | | Summarize your facility's progress on achieving the initiative you identified in the application or last year's APR. | |
| Category: <u>Material Use</u> Indicator: <u>Hazardous materials use</u> | Baseline Quantity | Future Goal Quantity | Current Quantity | Cost Savings |
| Calendar year | 2011 | 2012 | 2012 | \$5,265 |
| Actual quantity (per year) | 9,265 | N/A | 8,183 | |
| Normalized quantity (per year) | 9,265 | 8,339 | 8,393 | |
| Basis for your normalizing factor (e.g., gallons of paint produced) | Gross production in print department: lineal feet processed | | | |
| Measurement unit (e.g., pounds) | Gallons | | | |
| Briefly describe how you achieved improvements for this environmental initiative or, if relevant, any circumstances that delayed progress. <u>See attachment</u> | | | | |
| Please list any state, U.S. EPA, or other partnership programs to which you are reporting this data (e.g., Energy Star, Project XL). <u>None</u> | | | | |
| (Optional) If your facility has experienced continued results for environmental improvement initiatives pursued in past years of ESP membership, please share those results here. <u>All improvement initiatives from our past commitments are still in effect today.</u> | | | | |

SECTION F

ENVIRONMENTAL IMPROVEMENT INITIATIVE

Why do we need this information?

Facilities need to show they are committed to improving their environmental performance.

What do you need to do?

Refer to the Environmental Performance Table and answer the following questions.

1. Select the appropriate boxes in the following table to indicate the **category** and **indicator(s)** that represents the environmental improvement initiative selected by your facility. For the category and indicator selected, list the **baseline year** (e.g., 2009) and the **future year** (e.g., 2010). Next, list the **baseline annual quantity** (e.g., 5 tons) and **future annual quantity** (e.g., 2 tons) you are committing to achieve by the end of the future year.

| Category | Indicator | Baseline Year 20__12 | Future Year 20__13 | Unit |
|---|---|----------------------|--------------------|---|
| <input type="checkbox"/> Material Procurement | <input type="checkbox"/> Recycled content | | | Pounds, tons |
| | <input type="checkbox"/> Hazardous/toxic components | | | Pounds, tons |
| <input type="checkbox"/> Suppliers' Environmental Performance | <input type="checkbox"/> Specify indicator: _____ | | | As specified for the particular indicator |
| <input type="checkbox"/> Material Use | <input type="checkbox"/> Materials used | | | Pounds, tons |
| | <input type="checkbox"/> Hazardous materials used | | | Pounds, tons |
| | <input type="checkbox"/> Ozone depleting substances used | | | CFC-11 equivalent pounds |
| | <input type="checkbox"/> Total packaging materials used | | | Pounds, tons |
| <input type="checkbox"/> Water Use | <input type="checkbox"/> Total water used | | | Gallons |
| <input type="checkbox"/> Energy Use | <input type="checkbox"/> Electricity | | | kWh / MWh, Btu / MMBtu |
| | <input type="checkbox"/> Steam | | | kWh / MWh, gallons, ft ³ |
| | <input type="checkbox"/> Natural gas | | | Btu / MMBtu |
| | <input type="checkbox"/> Diesel | | | Gallons |
| | <input type="checkbox"/> Propane / LPG | | | Btu / MMBtu, gallons |
| | <input type="checkbox"/> Gasoline | | | Gallons |
| | <input type="checkbox"/> Solar | | | kWh / MWh |
| | <input type="checkbox"/> Wind | | | kWh / MWh |
| | <input type="checkbox"/> Landfill gas | | | Btu / MMBtu |
| | <input type="checkbox"/> Combined heat and power | | | kWh / MWh, Btu / MMBtu |
| | <input type="checkbox"/> Other: _____ | | | |
| <input type="checkbox"/> Land and Habitat | <input type="checkbox"/> Land and habitat conservation | | | Square feet, acres |
| | <input type="checkbox"/> Community land revitalization | | | Square feet, acres |
| <input checked="" type="checkbox"/> Air Emissions | <input checked="" type="checkbox"/> Total GHGs | 55,391 | 49,852 | MTCO ₂ E |
| | <input type="checkbox"/> VOCs | | | Pounds, tons |
| | <input type="checkbox"/> NO _x , SO _x , PM _{2.5} , PM ₁₀ , or CO | | | Pounds, tons |
| | <input type="checkbox"/> Air toxics | | | Pounds, tons |
| | <input type="checkbox"/> Odor | | | European Odour Units |
| | <input type="checkbox"/> Radiation | | | Curies, Becquerels |
| | <input type="checkbox"/> Dust | | | Pounds, tons |
| <input type="checkbox"/> Discharges to Water | <input type="checkbox"/> COD or BOD | | | Pounds, tons |
| | <input type="checkbox"/> Toxics | | | Pounds, tons |
| | <input type="checkbox"/> Total suspended solids | | | Pounds, tons |
| | <input type="checkbox"/> Nutrients | | | Pounds, tons of N or P |
| | <input type="checkbox"/> Sediment from runoff | | | Pounds, tons |
| | <input type="checkbox"/> Pathogens | | | MPN/ml, CFU/ml |
| <input type="checkbox"/> Non-hazardous Waste | <input type="checkbox"/> Landfill | | | Pounds, tons |
| <input type="checkbox"/> Hazardous Waste | <input type="checkbox"/> Incineration | | | Pounds, tons |
| | <input type="checkbox"/> Reused/recycled off-site | | | Pounds, tons, gallons |
| | <input type="checkbox"/> Other: _____ | | | Pounds, tons, gallons |
| <input type="checkbox"/> Noise | <input type="checkbox"/> Noise | | | dBA |
| <input type="checkbox"/> Vibration | <input type="checkbox"/> Vibration | | | Inches per second |
| <input type="checkbox"/> Products | <input type="checkbox"/> Expected lifetime energy use | | | kWh / MWh, Btu / MMBtu |
| | <input type="checkbox"/> Expected lifetime water use | | | Gallons |
| | <input type="checkbox"/> Expected lifetime waste to air, water, or land from product use | | | Pounds, tons |
| | <input type="checkbox"/> Waste to air, water, or land from disposal or recovery | | | Pounds, tons |

2. What activities or process changes do you plan to undertake at your facility to accomplish your initiative (e.g., technology changes in a particular process line, employee training)? We will replace our physical foaming agent blend with a similar blend that has a 6% lower global warming potential. We will also continue to work on our delivery system to reduce leaks.
3. Does this initiative address a significant aspect in your EMS?
- ☒ Yes
- ☐ No—If no, please explain why you believe this indicator should be included as an environmental improvement initiative:

CERTIFICATION AND PLEDGE

On behalf of (name of facility) Louisiana Pacific Corporation

I certify that the information contained in this Annual Performance Report and attachments is accurate to the best of my knowledge and that this facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with all applicable federal, state, and local environmental requirements, or has a corrective action program in place to attain compliance.

We, Louisiana Pacific Corporation, commit to maintaining the principles and goals outlined in our Environmental Management System for our facility's Indiana Environmental Stewardship Program status. We agree to strive for full compliance with all regulations promulgated by the U.S. EPA, state, or local jurisdictions. We agree to promote the Indiana Environmental Stewardship Program and to share our success stories with other facilities. We understand that the Annual Performance Report must be submitted to IDEM by April 1st of each year and that we must reapply to the Indiana Environmental Stewardship Program every three years.

I understand that the information provided in this Annual Performance Report will be public record. I am the senior facility manager or authorized facility signatory, and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is submitting this Annual Performance Report.

Signature

Title

Date (month, day, year)

Plant Manager

March 27, 2013

Printed signature
Ty Scopef

Attachment for 2012 ESP annual report

from Louisiana Pacific Corporation

Section B. Plans to make ESP report available to the community. The 2012 ESP annual report for Louisiana Pacific Corporation will be posted at the appropriate reference desk in the Middlebury Public Library. Also, a short press release announcing the report will be sent to LaGrange Publishing to be included in a future issue of the Middlebury Independent newspaper.

Section C. Item 3. Describe deficiencies from latest EMS audit. The only minor issue found in our latest EMS audit (performed by Keramida in February 2013) concerned the lack of sharing environmental performance information with the community. Our facility normally posts a copy of our annual ESP report in the local public library but failed to post the 2011 ESP report. The auditor felt that posting our 2012 ESP report would resolve this minor issue.

Section E. Describe how the 2012 environmental initiative was accomplished. A rotogravure printing process is used to finish some of our trim mouldings. On our small printers, the ink is applied to a twenty-inch wide engraved cylinder and then transferred to a twenty-inch wide transfer roll. The ink is directly transferred from the transfer roll to mouldings that pass through lanes in a guide block. The moulding is manually fed into the guide blocks. Any ink that is not transferred to the moulding is washed off the transfer roll with a solvent. The solvent wash is discarded after enough ink has contaminated it to leave a color residue on the transfer roll. The person handling the moulding noted that the lanes in the middle of the guide blocks were used much more often than the outer lanes. The transfer roll width was reduced to six inches and the printer was modified to reduce ink splashing due to the smaller roll width. The transfer roll width reduction decreased the waste ink and solvent generation by greater than 50%. It was projected that this project would be implemented by June of 2012. In actuality, the project was completed in November of 2012 resulting in only two months of running the six-inch transfer rolls on the modified printers. The normalization factor was 0.975. The print department processed 17,752,000 feet in 2011 and 17,303,000 in 2012.

Section F. 2013 Environmental Improvement Initiative. The 2103 initiative is to reduce greenhouse gas emissions (metric tonnes of CO₂ equivalents) due to our foaming agent by 10% from 55,391 metric tonnes in 2012 to 49,852 metric tonnes in 2013. The normalization factor that will be used is the mass of the polystyrene, high impact polystyrene and in-house regrind that is processed in our extruders.